

Comparisons of Job Characteristics

Focus Occupation: [Compliance Officers \(13-1041\)](#)

Associated Occupation: [Environmental Scientists and Specialists, Including Health \(19-2041\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 64

Focus Occupation: Compliance Officers (13-1041)

Associated Occupation: Environmental Scientists and Specialists, Including Health (19-2041)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Mathematics	9.2	15.5	8.6	<<	Extensive education and/or training may be required
Chemistry	4.8	14.9	5.8	<<	Extensive education and/or training may be required
Biology	3.7	14.8	5.6	<<	Extensive education and/or training may be required
Law and Government	5.9	13.5	13.2	0	Current knowledge level may be sufficient
Geography	3.9	12.7	3.8	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	12.1	4.7	<<	Extensive education and/or training may be required
Physics	4.3	10.5	3.1	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 79

Focus Occupation: Compliance Officers (13-1041)

Associated Occupation: Environmental Scientists and Specialists, Including Health (19-2041)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Reading Comprehension	10.7	16.1	14.1	<	A higher skill level may be required
Science	4.5	15.7	4.1	<<	Extensive development of skills in this area may be required
Writing	9.2	14.4	12.9	<	A higher skill level may be required

Complex Problem Solving	9.1	13.4	11.1	<	A higher skill level may be required
Judgment and Decision Making	9.4	13.1	12.0	0	Current skill level may be sufficient
Active Learning	8.7	13.0	11.4	<	A higher skill level may be required
Mathematics	6.2	12.2	7.4	<<	Extensive development of skills in this area may be required
Coordination	9.1	11.8	10.3	<	A higher skill level may be required
Learning Strategies	7.2	11.7	8.7	<<	Extensive development of skills in this area may be required
Systems Analysis	6.5	10.6	9.0	<	A higher skill level may be required
Operations Analysis	5.0	9.3	5.2	<<	Extensive development of skills in this area may be required
Programming	2.2	6.3	3.8	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 96			
Focus Occupation: Compliance Officers (13-1041) Associated Occupation: Environmental Scientists and Specialists, Including Health (19-2041)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Inductive Reasoning	10.2	16.5	13.3	<	Some improvement in abilities may be required
Written Comprehension	11.0	16.3	14.6	<	Some improvement in abilities may be required
Problem Sensitivity	11.1	15.8	13.5	<	Some improvement in abilities may be required
Deductive Reasoning	10.6	15.1	13.4	<	Some improvement in abilities may be required
Written Expression	9.8	14.4	13.9	0	Current ability level may be sufficient
Category Flexibility	9.0	13.0	10.6	<	Some improvement in abilities may be required
Information Ordering	9.9	12.9	12.4	0	Current ability level may be sufficient
Mathematical Reasoning	6.3	12.2	8.0	<<	Extensive improvement in abilities may be required
Number Facility	6.3	11.9	8.0	<<	Extensive improvement in abilities may be required
Flexibility of Closure	7.8	11.6	10.4	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: 75
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Focus Occupation: Compliance Officers (13-1041)**Associated Occupation: Environmental Scientists and Specialists, Including Health (19-2041)**

Work Activities	Exclusivity of Activity
Analyze ecosystem data	69
Collect samples for testing	58
Collect statistical data	47
Communicate technical information	4
Conduct field research or investigative studies	52
Confer with engineering, technical or manufacturing personnel	25
Develop policies, procedures, methods, or standards	21
Direct and coordinate activities of workers or staff	3
Enforce laws, ordinances, or regulations	66
Ensure compliance with government regulations	76
Explain government laws or regulations	68
Explain rules, policies or regulations	48
Inspect facilities or equipment for regulatory compliance	51
Make presentations	13
Plan scientific research or investigative studies	48
Prepare reports	8
Prepare safety reports	60
Prepare sample for laboratory testing, analysis, or microscopy	74
Prepare technical reports or related documentation	22
Recognize public safety hazards	68
Recommend action to ensure compliance	73
Record test results, test procedures, or inspection data	48
Use government regulations	44
Use hazardous disposal techniques	80
Use hazardous materials information	35
Use interviewing procedures	23
Use knowledge of environmental laws and regulations	76
Use knowledge of investigation techniques	16
Use pollution control techniques	62

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 83

Focus Occupation: Compliance Officers (13-1041)**Associated Occupation: Environmental Scientists and Specialists, Including Health (19-2041)**

Tools and Technologies	Exclusivity
Audio and visual equipment	4
Business function specific software	1
Cameras	2

Chemical evaluation instruments and supplies	10
Chromatographic measuring instruments and accessories	16
Computer data input devices	2
Computer printers	2
Computers	1
Content authoring and editing software	1
Content management software	6
Data management and query software	1
Duplicating machines	6
Electrochemical measuring instruments and accessories	9
Gas analyzers and monitors	10
Indicating and recording instruments	2
Industry specific software	1
Information exchange software	1
Light and wave generating and measuring equipment	4
Liquid and gas flow measuring and observing instruments	15
Liquid and solid and elemental analyzers	19
Network applications software	1
Non destructive examination equipment	13
Personal communication devices	2
Sampling equipment	12
Soil measuring equipment	20
Spectroscopic equipment	10
Transducers	23
Water treatment and supply equipment	21

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.